

**WHAT IS CLAIMED IS:**

1. A device configured to provide information to a pulse oximetry monitor, said device comprising an information generator configured to simulate information expected by the pulse oximetry monitor, wherein the simulated information is provided to the pulse oximetry monitor on a first signal path in common with a second signal path for communicating a driving signal from the pulse oximetry monitor.
2. The device of Claim 1, wherein the device is a sensor.
3. The device of Claim 1, wherein the device is an adapter configured to interconnect the pulse oximetry monitor with a sensor.
4. The device of Claim 1, wherein the device is a cable configured to provide an interconnection between the pulse oximetry monitor and a sensor.
5. The device of Claim 1, wherein the simulated information indicates a sensor type to the pulse oximetry monitor.
6. The device of Claim 1, wherein the simulated information indicates an operating wavelength.
7. A device configured to provide information to a pulse oximetry monitor, said device comprising an information generator configured to simulate information expected by the pulse oximetry monitor, wherein the simulated information is provided to the pulse oximetry monitor on a first signal line in common with a second signal line for communicating an intensity signal to the pulse oximetry monitor.
8. The device of Claim 7, wherein the device is a sensor adapter.
9. The device of Claim 7, wherein the device is a combination of a sensor and an adapter.
10. The device of Claim 7, wherein the device is a connector.
11. The device of Claim 7, wherein the simulated information conveys a characteristic of a sensor.
12. The device of Claim 7, wherein the simulated information indicates source of a sensor.

13. A method of communicating expected information regarding a sensor to an oximeter monitor, the method comprising:

simulating the expected information; and

providing the expected information to the oximeter monitor on a first signal line in common with a second signal line for making measurements.

14. The method of Claim 13, wherein the expected information relates to a sensor type which is compatible with the oximeter monitor.

15. The method of Claim 13, wherein the sensor lacks the expected information.